

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122722\
 Data File : VN075976.D
 Acq On : 27 Dec 2022 10:01
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/28/2022
 Supervised By : Mahesh Dadoda 12/28/2022

Quant Time: Dec 28 04:42:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	298006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	466139	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	431395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	218053	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	165964	51.191	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.380%			
35) Dibromofluoromethane	8.171	113	152098	52.689	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.380%			
50) Toluene-d8	10.571	98	565135	52.360	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.720%			
62) 4-Bromofluorobenzene	12.853	95	198941	55.651	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.300%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	93062	43.981	ug/l	98
3) Chloromethane	2.371	50	104608	39.758	ug/l	95
4) Vinyl Chloride	2.530	62	131352	41.851	ug/l	96
5) Bromomethane	2.948	94	107128	40.163	ug/l	94
6) Chloroethane	3.124	64	98100	42.208	ug/l	96
7) Trichlorofluoromethane	3.501	101	215760	45.305	ug/l	95
8) Diethyl Ether	3.971	74	82322	47.327	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.383	101	129441	47.598	ug/l	100
10) Methyl Iodide	4.595	142	199750	45.260	ug/l	99
11) Tert butyl alcohol	5.530	59	100763	219.650	ug/l	98
12) 1,1-Dichloroethene	4.354	96	118930	45.029	ug/l	99
13) Acrolein	4.189	56	192436	342.167	ug/l	99
14) Allyl chloride	5.036	41	140585	45.533	ug/l	88
15) Acrylonitrile	5.730	53	294755	235.449	ug/l	99
16) Acetone	4.436	43	331469	296.593	ug/l	97
17) Carbon Disulfide	4.724	76	258518	40.426	ug/l	98
18) Methyl Acetate	5.030	43	154531	46.778	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	447312	51.429	ug/l	96
20) Methylene Chloride	5.289	84	142861	47.757	ug/l	99
21) trans-1,2-Dichloroethene	5.795	96	133672	46.213	ug/l	98
22) Diisopropyl ether	6.677	45	384014	51.199	ug/l	97
23) Vinyl Acetate	6.612	43	1295587	256.636	ug/l	100
24) 1,1-Dichloroethane	6.577	63	235105	47.001	ug/l	98
25) 2-Butanone	7.489	43	407676	260.524	ug/l	97
26) 2,2-Dichloropropane	7.500	77	218409	51.559	ug/l	98
27) cis-1,2-Dichloroethene	7.495	96	167603	48.448	ug/l	98
28) Bromochloromethane	7.818	49	100739	45.948	ug/l	100
29) Tetrahydrofuran	7.842	42	233398	238.006	ug/l	99
30) Chloroform	7.971	83	269627	47.874	ug/l	93
31) Cyclohexane	8.259	56	195162	42.032	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	245985	49.265	ug/l	99
36) 1,1-Dichloropropene	8.377	75	184529	48.120	ug/l	97
37) Ethyl Acetate	7.565	43	145621	47.276	ug/l	98
38) Carbon Tetrachloride	8.365	117	215522	50.216	ug/l	99
39) Methylcyclohexane	9.606	83	240390	51.961	ug/l	99
40) Benzene	8.612	78	584320	49.387	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	83588	52.207	ug/l	99
42) 1,2-Dichloroethane	8.677	62	196800	50.032	ug/l	99
43) Isopropyl Acetate	8.694	43	265528	52.258	ug/l	99
44) Trichloroethene	9.353	130	158318	47.498	ug/l	99
45) 1,2-Dichloropropane	9.624	63	143084	49.697	ug/l	99
46) Dibromomethane	9.712	93	107712	50.440	ug/l	98
47) Bromodichloromethane	9.888	83	219831	52.494	ug/l	96
48) Methyl methacrylate	9.683	41	120107	52.483	ug/l	97
49) 1,4-Dioxane	9.700	88	55911	993.785	ug/l	99
51) 4-Methyl-2-Pentanone	10.447	43	794824	258.663	ug/l	100
52) Toluene	10.635	92	393383	51.052	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	230383	56.200	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	246525	54.773	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	159225	52.646	ug/l	99
56) Ethyl methacrylate	10.877	69	227399	56.605	ug/l	98
57) 1,3-Dichloropropane	11.165	76	255200	51.441	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	364774	285.194	ug/l	99
59) 2-Hexanone	11.200	43	615755	274.779	ug/l	100
60) Dibromochloromethane	11.359	129	180711	53.727	ug/l	100
61) 1,2-Dibromoethane	11.471	107	159574	52.137	ug/l	100
64) Tetrachloroethene	11.106	164	149350	49.199	ug/l	99
65) Chlorobenzene	11.894	112	430183	48.585	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	166162	50.665	ug/l	99
67) Ethyl Benzene	11.965	91	768063	51.397	ug/l	98
68) m/p-Xylenes	12.071	106	610512	103.219	ug/l	99
69) o-Xylene	12.400	106	300346	51.313	ug/l	99
70) Styrene	12.412	104	501812	53.919	ug/l	100
71) Bromoform	12.582	173	132397	55.479	ug/l #	98
73) Isopropylbenzene	12.700	105	788113	50.015	ug/l	100
74) N-amyl acetate	12.494	43	242471	52.452	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	226103	46.416	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	193947m	44.125	ug/l	
77) Bromobenzene	12.982	156	190872	47.864	ug/l	98
78) n-propylbenzene	13.041	91	910348	52.380	ug/l	99
79) 2-Chlorotoluene	13.129	91	533534	49.179	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	675666	51.233	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	66470	54.434	ug/l	94
82) 4-Chlorotoluene	13.129	91	533534	49.179	ug/l	100
83) tert-Butylbenzene	13.441	119	602685	51.832	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	675635	51.641	ug/l	99
85) sec-Butylbenzene	13.618	105	859796	53.573	ug/l	100
86) p-Isopropyltoluene	13.735	119	736931	55.183	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	366213	49.715	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	363454	48.298	ug/l	99
89) n-Butylbenzene	14.059	91	605100	55.931	ug/l	99
90) Hexachloroethane	14.335	117	127575	53.406	ug/l	100
91) 1,2-Dichlorobenzene	14.112	146	360250	49.650	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	39522	45.724	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	194626	54.180	ug/l	99
94) Hexachlorobutadiene	15.506	225	101196	51.635	ug/l	99
95) Naphthalene	15.647	128	550356	46.534	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	183835	54.755	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

